AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.   (*Currently Amended*) A method of providing communication between <u>at least</u> two ~~or more~~ control units <u>of a control apparatus, said control apparatus comprising a master controller and said at least two control units</u> connected to each other and to ~~a~~<u>said</u> master controller through a common bus, wherein the ~~control units comprise a~~ control apparatus ~~that~~ controls at least two peripheral units, wherein the method comprises the ~~steps~~<u>step</u> of:

controlling the at least two peripheral units to provide data essential to the operation of the peripheral units and to detect possible data variations in the peripheral units, wherein each control unit:

submits information concerning data consumed and provided by the peripheral units controlled by said each control unit to said master control; and

spontaneously sends message over the bus whenever the data provided by at least one of the peripheral units varies.

2.   (*Previously Presented*) A method according to claim 1, wherein the step of submitting information to the master controller comprises the step of each control unit transmitting to the master controller a structure of its own message comprising at least one of information provided and information received and used.

3.   (*Original*) A method according to claim 1, wherein it further comprises the step

of assigning a suitable address to each of said control units.

4.   (*Previously Presented*) A method according to claim 1 wherein the step of

spontaneously sending a message comprises sending a message comprising a first portion and a

second portion, said first message portion comprising information concerning the control unit

that has detected a data variation in the data of at least one peripheral unit controlled thereby and

information concerning control units that will consume the data in the sent message.

5.   (*Previously Presented*) A method according to claim 4, wherein the information

concerning the control units that will consume the data in the sent message comprise a logic

address for representing a group of control units consuming the same data item.

6.   (*Currently Amended*) A method according to claim 1, wherein it comprises the

additional step of providing each control unit with a counter that counts forward <u>by a</u>

<u>predetermined amount</u> at each message sent by said each control unit.

7.   (*Previously Presented*) A method according to claim 6, wherein it further

comprises the step of writing the value of said counter into every message that is sent by said

each control unit.

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8.   (*Previously Presented*) A method according to claim 1, wherein the step of

spontaneously sending a message comprises sending a message comprising at least one control

bit to control regularity of the information exchange.

9.   (*Previously Presented*) A method according to claim 1, wherein further

comprising the step of disabling said master controller after having established the

communication between said control units.

10.   (*Previously Presented*) A method according to claim 1, wherein said peripheral

units are devices for receiving, transmitting and processing signals in radio link systems.

11.   (*Currently Amended*) An apparatus for controlling two or more peripheral units,

the apparatus comprising:

        at least two control units, each control unit controlling at least one peripheral unit

    of the device to provide data necessary for the operation of the peripheral unit and detect

    possible data variations of said peripheral unit;

        a common bus for connecting said two or more control units; _and_

        a master controller connected to the common bus,

wherein each control unit comprises:

means for submitting, to said master controller, information concerning

data consumed and provided by the peripheral unit controlled by a respective

control unit; and

means for spontaneously sending a message in response to a variation of

data provided by a peripheral unit controlled by a respective control unit.

12. (*Previously Presented*) An apparatus according to claim 11, wherein said

peripheral units are devices for receiving, transmitting and processing signals in radio link

systems.

13. (*Cancel*) A computer program comprising program code adapted to perform the

steps of the method according to claim 1 when said program is run on a computer.

14. (*Previously Presented*) A computer-readable medium having a program recorded

thereon, said computer readable medium comprising computer program code adapted to perform

the steps of the method according to claim 1 when said program is run on a computer.